

Docket No.  
BKP-100

# Declaration and Power of Attorney For Patent Application

## English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

**IMAGE MODEL BASED ON N-PIXELS AND DEFINED IN ALGEBRAIC TOPOLOGY, AND APPLICATIONS THEREOF**

the specification of which  
(check one)

☒ is attached hereto.

☐ was filed on \_\_\_\_\_ as United States Application No. or PCT International  
Application Number \_\_\_\_\_  
and was amended on \_\_\_\_\_  
(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

| Prior Foreign Application(s) |           |                        | Priority Not Claimed     |
|------------------------------|-----------|------------------------|--------------------------|
| 2,397,389                    | CANADA    | 9 AUG 2002             | <input type="checkbox"/> |
| (Number)                     | (Country) | (Day/Month/Year Filed) |                          |
| PCT/CA2003/001214            | CANADA    | 8 AUG 2003             | <input type="checkbox"/> |
| (Number)                     | (Country) | (Day/Month/Year Filed) |                          |
|                              |           |                        | <input type="checkbox"/> |
| (Number)                     | (Country) | (Day/Month/Year Filed) |                          |

I hereby claim the benefit under 35 U.S.C. Section 119(e) of any United States provisional application(s) listed below:

\_\_\_\_\_  
(Application Serial No.)

\_\_\_\_\_  
(Filing Date)

\_\_\_\_\_  
(Application Serial No.)

\_\_\_\_\_  
(Filing Date)

\_\_\_\_\_  
(Application Serial No.)

\_\_\_\_\_  
(Filing Date)

I hereby claim the benefit under 35 U. S. C. Section 120 of any United States application(s), or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. Section 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, C. F. R., Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

\_\_\_\_\_  
PCT/CA2003/001214

\_\_\_\_\_  
8AUG2003

\_\_\_\_\_  
Pending

\_\_\_\_\_  
(Application Serial No.)

\_\_\_\_\_  
(Filing Date)

\_\_\_\_\_  
(Status)  
(patented, pending, abandoned)

\_\_\_\_\_  
(Application Serial No.)

\_\_\_\_\_  
(Filing Date)

\_\_\_\_\_  
(Status)  
(patented, pending, abandoned)

\_\_\_\_\_  
(Application Serial No.)

\_\_\_\_\_  
(Filing Date)

\_\_\_\_\_  
(Status)  
(patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**POWER OF ATTORNEY:** As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. *(list name and registration number)*

**GEORGE A LOUD 25,814**

**MARK D. LORUSSO 41,955**

**JEFFREY D. WASHVILLE 46,366**

**MARC A VIVENZIO 52,326**

Send Correspondence to: **LORUSSO LOUD & KELLY LLP**  
**15 RYE STREET, SUITE 312**  
**PORTSMOUTH, NH 03801**

Direct Telephone Calls to: *(name and telephone number)*  
**JEFFREY WASHVILLE (603) 427-0070**

|  |      |
|--|------|
| Full name of sole or first inventor<br><b>ZIOU, Djemel</b> |      |
| Sole or first inventor's signature                         | Date |
| Residence<br><b>Sherebrooke, Quebec, CANADA</b>            |      |
| Citizenship<br><b>CANADA</b>                               |      |
| Post Office Address<br><b>2665 Maricourt</b>               |      |
| <b>Sherbrooke, Quebec, J1K1R6, CANADA</b>                  |      |

|  |      |
|--|------|
| Full name of second inventor, if any<br><b>AUCLAIR-FORTIER, Marie-Flavie</b> |      |
| Second inventor's signature  | Date |
| Residence<br><b>Quebec, CANADA</b>   |      |
| Citizenship<br><b>CANADA</b>   |      |
| Post Office Address<br><b>264 Lockwell</b>                                   |      |
| <b>Quebec, Quebec G1R 1V9, CANADA</b>  |      |

|  |      |
|--|------|
| Full name of third inventor, if any<br><b>ALLILI, Madjid</b> |      |
| Third inventor's signature                                   | Date |
| Residence<br><b>Sherbrooke, Quebec, CANADA</b>               |      |
| Citizenship<br><b>CANADA</b>                                 |      |
| Post Office Address<br><b>585 London, Apt. 1</b>             |      |
| <b>Sherbrooke, Quebec J1H 3N2</b>                            |      |

|                                      |      |
|--------------------------------------|------|
| Full name of fourth inventor, if any |      |
| Fourth inventor's signature          | Date |
| Residence                            |      |
| Citizenship                          |      |
| Post Office Address                  |      |
|                                      |      |

|                                     |      |
|-------------------------------------|------|
| Full name of fifth inventor, if any |      |
| Fifth inventor's signature          | Date |
| Residence                           |      |
| Citizenship                         |      |
| Post Office Address                 |      |
|                                     |      |

|                                     |      |
|-------------------------------------|------|
| Full name of sixth inventor, if any |      |
| Sixth inventor's signature          | Date |
| Residence                           |      |
| Citizenship                         |      |
| Post Office Address                 |      |
|                                     |      |